



APPENDIX E

VOSE SPECIFICATION

The Vegetable oil sterol esters that are the subject of this petition are obtained from food grade vegetable oil sources and esterified with predominantly unsaturated fatty acids derived from edible oils and meets the following specification. VOSE has a purity of no less than 94% sterol esters and free sterols combined. Unsaturated fatty acids comprise over 75% of the fatty acids esterified to the vegetable oil sterol. Saturated fatty acids comprise less than 10 % of the fatty acids esterified to the vegetable oil sterol.

Sterol Ester and Free Sterols.....	not less than 94%
Free Sterols.....	Maximum 6.0%
Fatty Acid methyl esters.....	Maximum 2.0%
Mono-, di-, and triglycerides.....	Maximum 2.0%
Heavy Metals.....	Maximum 10 mg/kg
Lead.....	Maximum 1 mg/kg
Peroxide Value.....	Maximum 5 meq/kg
Water.....	Maximum 0.1%
Pesticides.....	Maximum 25 ppm

Typical Sterol composition (weight %) is

B-Sitosterol.....	30-65%
Campesterol.....	10-40%
Stigmasterol	6-30%
Other Sterols.....	0-9%

Typical Fatty Acid Profile (weight %) is

<C16.....	0-1%
C16:0.....	5-8%
C18:0.....	3-6%
C18:1	15-28%
C18:2.....	60-70%
C18:3.....	0-1%
>C18.....	0-2%
All other...	0-2%